



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

**D4943-1****Job Sheet 194377****Part No:** D4943-1**Job Qty:** 3 pcs**Part Name:** Flex Hose**Part Weight:** 0 lbs**Status:** New**Priority:** Medium**Job Created:** 5/1/19**Job Tracking No:****Due Date:** 5/17/19**Created By:** Chantal Lavoie**Type:** Stock**Description:**

**Note:** DWG D4943 REV.D IPP REV.A NEW ISSUE JFS 13/09/19 VERIFY BY: DD IPP REV.B 14.05.05 AS PER  
DWG REV.B DD VERF BY:JLM IPP REV:C 14.06.18 AS PER DWG REV.C DD VERF:JLM IPP REV:D  
19.04.15 AS PER DWG REV.D DD VERF:JFS

**Ship Via:****Bill of Materials****Job Routing**

| Op<br>No | Operation                     | Qty   | Start Date | Due<br>Date | Standard     |            | Workcenter/Supplier    | Sign-off    |
|----------|-------------------------------|-------|------------|-------------|--------------|------------|------------------------|-------------|
|          |                               |       |            |             | Setup<br>Hrs | Run<br>Hrs |                        |             |
| 100      | Purchasing                    | 3 pcs | 5/17/19    | 5/17/19     | 0.00         | 0.00       | Purchasing - 1         | JUN 09 2019 |
|          |                               |       |            |             |              |            | Purchasing - 2         |             |
|          |                               |       |            |             |              |            | Purchasing - 3         |             |
| 110      | Packaging 2-1 - Receive - B4B | 3 pcs | 5/17/19    | 5/17/19     | 0.00         | 0.00       | Packaging 2 - 1 - B4B  | JUN 09 2019 |
|          |                               |       |            |             |              |            | Packaging 2 - 2 - B4B  |             |
|          |                               |       |            |             |              |            | Packaging 2 - 3 - B4B  |             |
|          |                               |       |            |             |              |            | Packaging 2 - 5 - B4B  |             |
|          |                               |       |            |             |              |            | Packaging 2 - 4 - B4B  |             |
|          |                               |       |            |             |              |            | Packaging 2 - 6 - B4B  |             |
|          |                               |       |            |             |              |            | Packaging 2 - 7 - B4B  |             |
|          |                               |       |            |             |              |            | Packaging 2 - 8 - B4B  |             |
|          |                               |       |            |             |              |            | Packaging 2 - 9 - B4B  |             |
|          |                               |       |            |             |              |            | Packaging 2 - 10 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 11 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 12 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 13 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 14 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 15 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 16 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 17 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 18 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 19 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 20 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 21 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 22 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 23 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 24 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 25 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 26 - B4B |             |
|          |                               |       |            |             |              |            | Packaging 2 - 27 - B4B |             |

**Container No:** S187332

**Part:** D4943-1  
**Job No:** 194377  
**Serial No/Batch:** S187332  
**Revision:** D  
**Inspector:**  
**Exp Date:**  
**Instructions:** Various STC's

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TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Date: 06/04/19

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|     |                             |       |         |                        |                        |
|-----|-----------------------------|-------|---------|------------------------|------------------------|
|     |                             |       |         | Packaging 2 - 28 - B4B |                        |
|     |                             |       |         | Packaging 2 - 29 - B4B |                        |
|     |                             |       |         | Packaging 2 - 30 - B4B |                        |
|     |                             |       |         | Packaging 2 - 31 - B4B |                        |
|     |                             |       |         | Packaging 2 - 32 - B4B |                        |
|     |                             |       |         | Packaging 2 - 33 - B4B |                        |
|     |                             |       |         | Packaging 2 - 34 - B4B |                        |
|     |                             |       |         | Packaging 2 - 35 - B4B |                        |
|     |                             |       |         | Packaging 2 - 36 - B4B |                        |
| 120 | QC 6                        | 3 pcs | 5/17/19 | 0.00 0.00              | QC 6 - 9               |
|     |                             |       |         |                        | QC 6 - 68              |
|     |                             |       |         |                        | QC 6 - 61              |
|     |                             |       |         |                        | QC 6 - 40              |
| 130 | Packaging 3-1 - Stock - B4B | 3 pcs | 5/17/19 | 0.00 0.00              | Packaging 3 - 1 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 2 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 3 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 4 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 5 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 6 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 7 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 8 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 9 - B4B  |
|     |                             |       |         |                        | Packaging 3 - 10 - B4B |
|     |                             |       |         |                        | Packaging 3 - 11 - B4B |
|     |                             |       |         |                        | Packaging 3 - 12 - B4B |
|     |                             |       |         |                        | Packaging 3 - 13 - B4B |
|     |                             |       |         |                        | Packaging 3 - 14 - B4B |
|     |                             |       |         |                        | Packaging 3 - 15 - B4B |
|     |                             |       |         |                        | Packaging 3 - 16 - B4B |
|     |                             |       |         |                        | Packaging 3 - 17 - B4B |
|     |                             |       |         |                        | Packaging 3 - 18 - B4B |
|     |                             |       |         |                        | Packaging 3 - 19 - B4B |
|     |                             |       |         |                        | Packaging 3 - 20 - B4B |
|     |                             |       |         |                        | Packaging 3 - 21 - B4B |
|     |                             |       |         |                        | Packaging 3 - 22 - B4B |
|     |                             |       |         |                        | Packaging 3 - 23 - B4B |
|     |                             |       |         |                        | Packaging 3 - 24 - B4B |
|     |                             |       |         |                        | Packaging 3 - 25 - B4B |
|     |                             |       |         |                        | Packaging 3 - 26 - B4B |
|     |                             |       |         |                        | Packaging 3 - 27 - B4B |
|     |                             |       |         |                        | Packaging 3 - 28 - B4B |
|     |                             |       |         |                        | Packaging 3 - 29 - B4B |
|     |                             |       |         |                        | Packaging 3 - 30 - B4B |
|     |                             |       |         |                        | Packaging 3 - 31 - B4B |
|     |                             |       |         |                        | Packaging 3 - 32 - B4B |
|     |                             |       |         |                        | Packaging 3 - 33 - B4B |
|     |                             |       |         |                        | Packaging 3 - 34 - B4B |
|     |                             |       |         |                        | Packaging 3 - 35 - B4B |
|     |                             |       |         |                        | Packaging 3 - 36 - B4B |
| 140 | QC 21 - SA                  | 3 pcs | 5/17/19 | 0.00 0.00              | QC 21 - SA - 21        |
|     |                             |       |         |                        | QC 21 - SA - 70        |

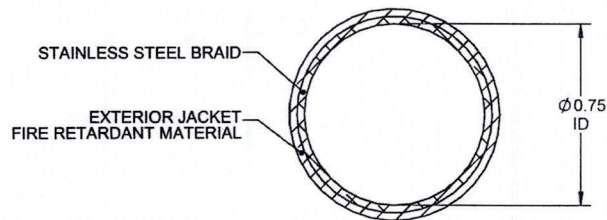
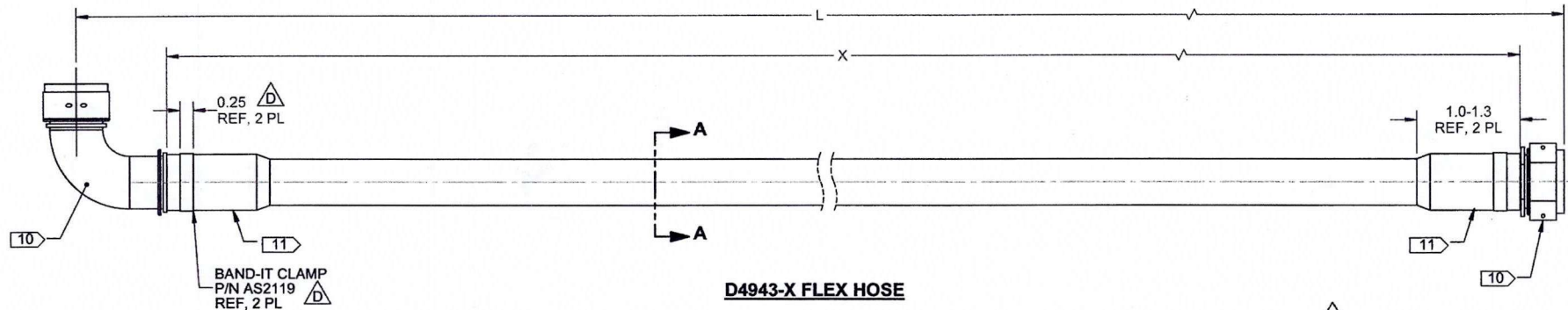
Part Op **100** - Purchasing - Issue P/O: \_\_\_\_\_ Purchase part #: 12EAS1S2-03900F Possible supplier: AERO-FLEX  
 Descriptions: Certificate of conformity is required  
**110** - Receive & Inspect for Damage & Mat'l Certs - Certificate of conformity is required.  
**120** - QC6- All purchased or subcontracted products  
**130** - Identify as per dwg & Stock Location: \_\_\_\_\_  
**140** - QC21- Final Inspection - Work Order Release

| Job BOM                            |                   |              |                |           |
|------------------------------------|-------------------|--------------|----------------|-----------|
| Part / Item                        | Component Name    | Quantity     | Operation      | Container |
| 12EAS1S2-03900F                    | Flex Hose D4943-1 | 3 pcs (1 ea) | 100-Purchasing | SI 87320  |
| Job Allocations                    |                   |              |                |           |
| Operation                          | Component Part    | Required     | Inventory      | Allocated |
| 100-Purchasing                     | 12EAS1S2-03900F   | 3            | 0              | 0         |
| Part Specifications                |                   |              |                |           |
| Specifications could not be found. |                   |              |                |           |

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# SPECIFICATION CONTROL DRAWING



**SECTION A-A**  
TUBE BUILD-UP

| DART P/N | "L"   | VENDOR    | VENDOR P/N                            | WEIGHT  | LENGTH OF EXTERIOR JACKET "X"             |
|----------|-------|-----------|---------------------------------------|---------|-------------------------------------------|
| D4943-1  | 40.00 | AERO-FLEX | 12EAS12S-03900F OR<br>12EAS1S2-03900F | 1.3 lbs | 38" FREE LENGTH<br>37.1" INSTALLED LENGTH |

## NOTES:

- 1) MATERIAL: BRAID: STAINLESS STEEL PER MANUFACTURER  
JACKET: FIRE RETARDANT MATERIAL PER MANUFACTURER  
END FITTING: STAINLESS STEEL PER MANUFACTURER
- 2) FINISH: N/A
- 3) TOLERANCES: N/A
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: PER QSI 044 6.1.
- 7) WEIGHT: SEE TABLE
- 8) MAXIMUM OPERATING TEMPERATURE 500°F
- 9) MAXIMUM OPERATING PRESSURE 120 PSI
- 10) END FITTING REQUIREMENTS: FEMALE, 3/4, 37° JIC FITTING (THREAD 1-1/16 UN), WITH LOCKWIRE HOLES
- 11) OXIDE-RED FIRE SLEEVE END DIP PER MIL-A-46146 AND NAV. AIR 01-1A-20

RELEASED

2010 APR 11

SEN 14-639

| D          | ADDED NOTE 11, REVISED TABLE, REF CAR 18-265                                                                    | VS  | 19.03.12 |
|------------|-----------------------------------------------------------------------------------------------------------------|-----|----------|
| C          | SEE CHART ADDED ADDITIONAL ACCEPTABLE P/N                                                                       | AJS | 14.05.01 |
| B          | SEE CHART: VENDOR WAS SWAGelok, VENDOR P/N WAS SS-FJ12TA12AS12-40F. REASON: VENDOR CHANGED FOR LEADTIME ISSUES. | AJS | 14.03.14 |
| A          | NEW ISSUE                                                                                                       | AJS | 13.09.18 |
| REV.       | DESCRIPTION                                                                                                     | BY  | DATE     |
| DESIGN     | AS                                                                                                              |     |          |
| DRAWN      | VS                                                                                                              |     |          |
| CHECKED    | PM                                                                                                              |     |          |
| MFG. APPR. | SH                                                                                                              |     |          |
| APPROVED   | VS                                                                                                              |     |          |
| DE APPR.   | DS                                                                                                              |     |          |
| DATE       | 19.03.12                                                                                                        |     |          |

APPROVED

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO.  
**D4943**

TITLE  
**FLEX HOSE**

REV. D

SHEET 1 OF 1

SCALE

NTS

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Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
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Tel (613) 632-5200

# **PURCHASE ORDER**

## **PO043232**



### **Order Notes**

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

#### **Procurement Quality Clauses**

A005 RIGHT OF ENTRY

A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)

A012 CHEMICAL AND PHYSICAL TEST REPORTS

A016 PERSONNEL QUALIFICATION

A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENT

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

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**3147 Jupiter Park Circle**  
**Jupiter Fl 33458**



Phone# 561-745-2534 Fax# 561-745-2537  
www.aero-flex.aero

# Packing Slip

## Certificate of Conformance

|           |           |
|-----------|-----------|
| Date      | Invoice # |
| 5/31/2019 | 3182      |

|                                                                      |                                                                                |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Bill To                                                              | Ship To                                                                        |
| Dart Aerospace Ltd<br>1270 Aberdeen Street<br>Hawkesbury, ON K6A 1K7 | Dart Aerospace Ltd<br>1270 Aberdeen Street<br>Hawkesbury, ON K6A 1K7<br>Canada |

| AF S.O. # | Customer P.O. # | Ship Date | Via              | FOB | Project |
|-----------|-----------------|-----------|------------------|-----|---------|
| PO043232  | PO043232        | 5/1/2019  | FED EX Overnight |     |         |

| Quantity | Item | Part Number/Rev | Description                             |
|----------|------|-----------------|-----------------------------------------|
| 27       | 1    | D4943-1         | FLEX HOSE ASSEMBLY - AF#12EAS1S2-03900F |

We hereby certify the above parts, including all materials, have been manufactured, tested and packed in conformance with all requirements of your order and the applicable government specifications and standards. Records of tests, inspections and certification indicating the above conformance are on file at Aero-Flex Corp. available for examination. It is hereby certified that any parts identified with TSO identification (a) were produced under Federal Aviation Administration (FAA) approved manufacturing and quality control system/methods as set forth in the FAA issued Technical Standard Order authorizations (TSO), and (b) such parts and/or materials are new and are in condition for safe operation. If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards in this TSO.

It is the responsibility of those desiring to install this hose assembly on an aircraft or engine to determine that the installation will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved. The hose assembly may only be installed in a manner acceptable to, or approved by, the Administrator.

The above commodities are subject to the Export Administration Regulations (EAR) and/or International Traffic in Arms Regulations (ITAR). If applicable, it is your responsibility to obtain a validated export license for this material from the Department of Commerce or the Department of State if so required under the applicable U.S. Govt. Export Control Regulation. The above material shall not be shipped to any country that has an embargo placed on it by the U.S. Govt or any entity on the U.S. Debarred list. By accepting the items on this PackSlip/C of C/Invoice you agree to Aero-Flex Corp's Terms and Conditions of Sale. These commodities, technology or software were exported from the United States in accordance with Export Administration Regulations. Diversion contrary to U.S. law is prohibited. These items may not be used directly or indirectly in prohibited nuclear, chemical, biological, or missile weapon activities.

Michael E. Smith

**Michael E. Scott**  
Quality Manager

Form 4QF015-01  
REV C



**Aero-Flex Corp.****3147 Jupiter Park Circle  
Jupiter FL 33458**Phone# 561-745-2534 Fax# 561-745-2537  
www.aero-flex.aero**Packing Slip****Certificate of Conformance**

|           |           |
|-----------|-----------|
| Date      | Invoice # |
| 5/31/2019 | 3182      |

|                                                                                        |                                                                                                  |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Bill To</b><br>Dart Aerospace Ltd<br>1270 Aberdeen Street<br>Hawkesbury, ON K6A 1K7 | <b>Ship To</b><br>Dart Aerospace Ltd<br>1270 Aberdeen Street<br>Hawkesbury, ON K6A 1K7<br>Canada |
|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|

|           |                 |           |                  |     |         |
|-----------|-----------------|-----------|------------------|-----|---------|
| AF S.O. # | Customer P.O. # | Ship Date | Via              | FOB | Project |
| PO043232  | PO043232        | 5/1/2019  | FED EX Overnight |     |         |

| Quantity | Item | Part Number/Rev | Description                                                      |
|----------|------|-----------------|------------------------------------------------------------------|
| 27       | 1    | D4943-1         | FLEX HOSE ASSEMBLY - AF#12EAS1S2-03900F<br><br>DAS<br>61<br>9-89 |

We hereby certify the above parts, including all materials, have been manufactured, tested and packed in conformance with all requirements of your order and the applicable government specifications and standards. Records of tests, inspections and certification indicating the above conformance are on file at Aero-Flex Corp. available for examination. It is hereby certified that any parts identified with TSO identification (a) were produced under Federal Aviation Administration (FAA) approved manufacturing and quality control system/methods as set forth in the FAA issued Technical Standard Order authorizations (TSO), and (b) such parts and/or materials are new and are in condition for safe operation. If applicable, satisfactory compliance with the conditions and tests required for TSO approval indicates the hose assembly has met the minimum performance standards in this TSO.

It is the responsibility of those desiring to install this hose assembly on an aircraft or engine to determine that the installation will not cause the hose assembly to be subjected to conditions in excess of those for which it has been approved. The hose assembly may only be installed in a manner acceptable to, or approved by, the Administrator.

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**Michael E. Scott  
Quality Manager**Form 4QF015-01  
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